Virginia Cyber Security Partnership

VIRGINIA CYBER SECURITY PARTNERSHIP

- The mission of the Virginia Cyber Security Partnership (VCSP) is to establish and maintain a trusted community of public and private sector cyber professionals. The Partnership leverages our collective experience and knowledge, promotes mutually beneficial information sharing and fosters professional development. This mission seeks to advance our nation's interests.

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MISSION OBJECTIVES

- Skills Enhancement
- Risk Management Best Practices
- Threat Information Sharing
- Resource Development Pipeline
- Community Outreach

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WHO ARE WE?

Dominion
It all starts here.

NORTHROP GRUMMAN

J. Sargeant Reynolds Community College

Capital One℠

e+

VITA

Deloitte.

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CAREERS IN CYBER SECURITY

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HOW DO CYBER JOBS COMPARE?

- Ninth Highest Paying Job in the US
  - Computer and Information Systems Manager
    - Avg. Starting Salary: $59,221
    - Avg. Annual Salary: $126,190
    - Median Personal Income with Bachelor's Degree: $43,143
- Among Top 10 Jobs
  - Computer Programmer - #9
  - Computer Systems Analyst - #7
  - Web Developer - #6
  - Database Administrator - #5
  - Software Developer - #2

Source: cnbc.com/id/47984925/page/9
Source: money.usnews.com/money/careers/slideshows/the-10-best-jobs/11

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20 Coolest Careers in Info Security

- #1 Information Security Crime Investigator/Forensics Expert
- #2 System, Network, and/or Web Penetration Tester
- #3 Forensic Analyst
- #4 Incident Responder
- #5 Security Architect
- #6 Malware Analyst
- #7 Network Security Engineer
- #8 Security Analyst
- #9 Computer Crime Investigator
- #10 CISO/ISO or Director of Security
- #11 Application Penetration Tester
- #12 Security Operations Center Analyst
- #13 Prosecutor Specializing in Information Security Crime
- #14 Technical Director and Deputy CISO
- #15 Intrusion Analyst
- #16 Vulnerability Researcher/ Exploit Developer
- #17 Security Auditor
- #18 Security-savvy Software Developer
- #19 Security Maven in an Application Developer Organization
- #20 Disaster Recovery/Business Continuity Analyst/Manager

Source: www.sans.org/20coolestcarrers/

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CYBER SECRUITY CAREERS

- Key Character Traits
  - Integrity, Leadership, Strong Work Ethic, Results Oriented
  - Teamwork and Collaboration
- Essential Skills
  - Critical Thinking, Time Management, Organization, Communication (Oral and Written), Analytical / Troubleshooting
- Career Paths
  - Risk Management
    - Policy, Strategy, Regulatory Compliance, Security Investigations
  - Threat and Incident Management
  - Security Operations
    - Perimeter Protection, Malware Protection, Technical Policy Enforcement
    - Cyber Security Operations Center Monitoring and Analysis

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OPPORTUNITIES NOW

- AF National High School Cyber Defense Competition
  - www.uscyberpatriot.org
- DHS Scholarships, Fellowships, Internships and Training
  - http://www.dhs.gov/student-opportunities-0
- CSAW High School Cyber Forensics Challenge
  - www.poly.edu/csaw2012
- US Cyber Challenge – The Governors Cyber Challenge
  - www.technology.virginia.gov/CyberChallenge
- Maryland Cyber Challenge
  - www.fbcinc.com/e/cybermdconference/challenge
- Cyber Security Partnership Capture the Flag
  - Coming Soon!!

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STAY CURRENT!!!!

- Dark Reading - http://www.darkreading.com/
- The Register - http://www.theregister.co.uk/
- Slash Dot - http://slashdot.org/
- CSO Online - http://www.csoonline.com/
- Wired - http://www.wired.com/
- Search Security - http://searchsecurity.techtarget.com/

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WHAT CAN THE CSP DO FOR YOU

- Mentorship
- Training
- Letters of Recommendations
- Internship opportunities
- Job’s after college
- Information on new technology

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